



MS ISSUE FEE PATENT 1155-0243P

### IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant:

Yasushi NAKAYAMA et al.

Group:

1713

Application No.:

10/078,670

Examiner: Robert D. Harlan

Filed:

February 21, 2002

Conf. No.: 4533

For:

OLEFIN POLYMERIZATION CATALYST AND PROCESS FOR

PRODUCING OLEFIN POLYMER WITH THE CATALYST

### **LETTER REQUESTING INITIALED PTO 1449 FORMS**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

APR 1 2 2004

Sir:

In reviewing the above-captioned application file upon allowance, the undersigned has noted that acknowledgement was received for page 1 of the PTO 1449 Form filed on May 21, 2002, however, the Examiner did not return pages 2 and 3.

In addition, acknowledgement was not received for the PTO 1449 forms submitted with the Information Disclosure Statement on December 17, 2003. Copies of each PTO Form 1449 referred to above are enclosed.

The Patent and Trademark Office therefore is requested to return the initialed forms to the undersigned as soon as possible.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §1.16 or under 37 C.F.R. §1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

BÁYMOND C. STEWART, #21,066

P.O. Box 747

Falls Church, VA 22040-0747

(703) 205-8000



ATTY DOCKET NO. APPLICATION NO. Form PTO-1449 1155-0243P 10/078,670 APPLICANT INFORMATION DESCLOSURE CITATION NAKAYAMA, Yasushi et al. IN AN APPLICATION FILING DATE (Use several sheets if necessary) February 21, 2002 1754 U.S. PATENT DOCUMENTS DATE NAME DOCUMENT NUMBER EXAMINER FOREIGN PATENT DOCUMENTS TRANSLATION COUNTRY SUB DOCUMENT NUMBER DATE 1991-05-08 Japan w/Abstract JP3207704 1991-05-08 Japan w/Abstract JP3207703 1991-05-15 Japan w/Abstract JP3179006 1991-05-15 Japan w/Abstract JP3179005 OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), voluma-issue number(s), publisher, city and/or country where published. Gibson et al., Chem. Commun., 1998, pp. 849-850 McConville et al., Macromolecules, 1996, Vol. 29, pp.5241-5243 Jordan et al., Organometallics, 1997, Vol. 16, pp.3283-3302 Collins et al., Organometallics, Vol. 18, No. 15, 1999, pp. 2731-2733 Eisen et al., Organometallics, 1998, Vol. 17, pp. 3155-3157 Eisen et al., J. Am. Chem. Soc., 1998, Vol. 120, pp.8640-8646 Jordan et al., J. Am. Chem. Soc., 1997, Vol. 119, pp. 8125-8127 Hakala et al., Macromol. Rapid Commun., 1997, Vol. 18, pp. 635-638

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1155-0243P

EXAMINER

OTPE APR 12 200	COEFICE 863
1449 7 7000	,

FOREIGN PATENT DOCUMENTS    DOCUMENT NUMBER   DATE   COUNTRY   CLASS   TAMES   TAMES	orm PTO	-1449 PADE		1155-0243P				
U.S. PATENT DOCUMENTS  U.S. PATENT DOCUMENTS  FOREIGN PATENT DOCUMENTS  FOREIGN PATENT DOCUMENTS  FOREIGN PATENT DOCUMENTS  FOREIGN PATENT DOCUMENTS  DOCUMENT NUMBER  DATE  COUNTRY  CLASS  CLASS  TOUGHARD  TOUGHARD  TOUGHARD  JP A 501950  JP A 502036  1988-08-03  Japan w/Abstract  JF A 502036  Japan w/Abstract  OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.  Fujita et al., Journal of Molecular Catalysis A: Chemical 169 (2001), pp. 99-10  Fujita et al., Catalysis Today, 2001, pp. 63-73  Fujita et al., Chemistry Letters 2000, pp. 554-555  Journal of the American Chemical Society, 2001, Vol. 123, pp. 6847-6856  EXAMINER  DATE CONSIDERED	INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)  U.S. PATENT DOCUMENTS  U.S. PATENT DOCUMENTS  FOREIGN PATENT DOCUMENTS  FOREIGN PATENT DOCUMENTS  DOCUMENT NUMBER  DATE  COUNTRY  CLASS CLASS FILING DATE  FOREIGN PATENT DOCUMENTS  FOREIGN PATENT DOCUMENTS  DOCUMENT NUMBER  DATE  COUNTRY  CLASS CLASS FILING DATE  CLASS CLASS FILING DATE  CLASS FILING DATE  CLASS VES NO  JP A 501950  1988-08-03  Japan w/Abstract  JP A 502036  1988-08-03  Japan w/Abstract  OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.  Fujita et al., Catalysis Today, 2001, pp. 63-73  Fujita et al., Chemistry Letters 2000, pp. 554-555							
FOREIGN PATENT DOCUMENTS  FOREIGN PATENT DOCUMENTS  FOREIGN PATENT DOCUMENTS  DOCUMENT NUMBER  DATE  COUNTRY  CLASS  TOWNS  TESS  TOWNS  TESS  TOWNS  TOWNS  TESS  TOWNS  TOWNS				February 21, 20	02			
FOREIGN PATENT DOCUMENTS    DOCUMENT NUMBER   DATE   COUNTRY   CLASS   TOWNSLATED		ט	.S. PATENT D	OCUMENTS				
DOCUMENT NUMBER  DATE  COUNTRY  CLASS  CLASS  TRANSLATION  TES N  TOTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.  Fujita et al., Journal of Molecular Catalysis A: Chemical 169 (2001), pp. 99-10  Fujita et al., Catalysis Today, 2001, pp. 63-73  Fujita et al., Chemistry Letters 2000, pp. 554-555  Journal of the American Chemical Society, 2001, Vol. 123, pp. 6847-6856  EXAMINER  DATE CONSIDERED	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	CLASS	FILING IF APPR	DATE OPRIATE
DOCUMENT NUMBER  DATE  COUNTRY  CLASS  PROCEDUATE  TYPES  TABLE  TOTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.  Fujita et al., Journal of Molecular Catalysis A: Chemical 169 (2001), pp. 99-10  Fujita et al., Catalysis Today, 2001, pp. 63-73  Fujita et al., Chemistry Letters 2000, pp. 554-555  Journal of the American Chemical Society, 2001, Vol. 123, pp. 6847-6856  EXAMINER  DATE CONSIDERED		FOL	DETCH PATENT	DOCUMENTS				
JP A 501950 1988-08-03 Japan w/Abstract  JP A 502036 1988-08-03 Japan w/Abstract  OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.  Fujita et al., Journal of Molecular Catalysis A: Chemical 169 (2001), pp. 99-10  Fujita et al., Catalysis Today, 2001, pp. 63-73  Fujita et al., Chemistry Letters 2000, pp. 554-555  Journal of the American Chemical Society, 2001, Vol. 123, pp. 6847-6856  EXAMINER  DATE CONSIDERED					CLASS	SUB	TRANSI	ATION
OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the articl (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.  Fujita et al., Journal of Molecular Catalysis A: Chemical 169 (2001), pp. 99-10  Fujita et al., Catalysis Today, 2001, pp. 63-73  Fujita et al., Chemistry Letters 2000, pp. 554-555  Journal of the American Chemical Society, 2001, Vol. 123, pp. 6847-6856  EXAMINER  DATE CONSIDERED		DOCUMENT NUMBER	DATE			CLASS	YES	NO
OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the articl (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.    Fujita et al., Journal of Molecular Catalysis A: Chemical 169 (2001), pp. 99-10		JP A 501950				ļ		<del></del>
<pre>(when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.    Fujita et al., Journal of Molecular Catalysis A: Chemical 169 (2001), pp. 99-10    </pre>		JP A 502036	1988-08-03	Japan w/Abstract				
<pre>(when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.    Fujita et al., Journal of Molecular Catalysis A: Chemical 169 (2001), pp. 99-10    </pre>			-				,	
(when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.    Fujita et al., Journal of Molecular Catalysis A: Chemical 169 (2001), pp. 99-10								
Fujita et al., Chemistry Letters 2000, pp. 554-555  Journal of the American Chemical Society, 2001, Vol. 123, pp. 6847-6856  EXAMINER  DATE CONSIDERED  EXAMINER: Initial if citation considered, whether or not citation is in conformance wi	where p		Molecular Cata	alysis A: Chemical	169 (2	2001), [	op. 99	-104
Journal of the American Chemical Society, 2001, Vol. 123, pp. 6847-6856  EXAMINER  DATE CONSIDERED  EXAMINER: Toitial if citation considered, whether or not citation is in conformance wi		Fujita et al., Catalysis	roday, 2001, pr	o. 63-73				
EXAMINER DATE CONSIDERED  EXAMINER. Initial if citation considered, whether or not citation is in conformance wi		Fujita et al., Chemistry D	Letters 2000, p	pp. 554-555				
EXAMINED. Initial if citation considered, whether or not citation is in conformance wi		Journal of the American Ch	nemical Society	, 2001, Vol. 123,	pp. 68	347-685	6	
EXAMINED. Initial if citation considered, whether or not citation is in conformance wi			,					
EXAMINED. Initial if citation considered, whether or not citation is in conformance wi								
EXAMINED. Initial if citation considered, whether or not citation is in conformance wi			·	DAME CONCIDEDED				
EXAMINER: Initial if citation considered, whether or not citation is in conformance wi		•						
M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	MDFP	609: Draw line through c	itation if not	in conformance and	is in d not	confor conside	mance red.	with

1155-0243P

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

ATTY. DOCKET NO. 1155-0243P APPLICATION NO. 10/078,670

APPLICANT

Yasushi NAKAYAMA et al.

Filing DATE February 21, 2002

1713

U.S	S.	PA	TENT	DOG	CUN	ÆNTS
-----	----	----	------	-----	-----	------

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US 5,688,733	A	11-18-1997	Renkema et al.			
	US 2002/0193536	A1	12-19-2002	Kashiwamura et al.			
	US						
	US						
	US						
	US						
	US						
	US						
	US						
	US					L	

### FOREIGN PATENT DOCUMENTS

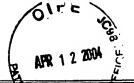
Office	DOCUMENT	Kind	DATE	COUNTRY	CLASS	SUB	TRANSI	LATION
011100	NUMBER						YES	МО
DD	99 556	Α	1973-08-12	GERMANY				Х
JP	2000-1513	A	2000-01-07	JAPAN			ABS	
JP	2000-273114	A	2000-10-03	JAPAN			ABS	
WO	00/20427	А	2000-04-13	PCT			Х	
JP	6-136049	A	1994-05-17	JAPAN			ABS	
EP	0 590 486	A2	1994-04-06	EUROPE			Х	
EP	1 054 021	A1	2000-11-22	EUROPE			Х	
JP	10-330411	A	1998-12-15	JAPAN			ABS	
JP	2001-2724	A	01-09-2001	JAPAN			ABS	
EP	0 574 794	A1	12-22-1993	EUROPE			Х	
EP	1 026 176	Al	08-09-2000	EUROPE			Х	
JP	2000-264913	A	09-26-2000	JAPAN			ABS	
EP	0 985 685	A1	03-15-2000	EUROPE			Х	
EP	0 945 471	Al	09-29-1999	EUROPE			Х	
EP	9-278821	А	10-28-1997	JAPAN			ABS	
EP	8-27210	А	01-30-1996	JAPAN			ABS	

OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, datalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or dountry where published.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449

### BY THADEN ON INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

ATTY. DOCKET NO. 1155-0243P APPLICATION NO. 10/078,670

APPLICANT

Yasushi NAKAYAMA et al.

FILING DATE February 21, 2002

1713

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US						
	US						
	US						
	US						
	US						
	US						
	US						
	US						
	US						
	US						

#### FOREIGN PATENT DOCUMENTS

	Office	DOCUMENT	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSI	ATION
	Office	NUMBER	KING	<i>5</i> .115			CLASS	YES	МО
,	GB	1 314 053	А	04-18-1973	GREAT BRITAIN			X	
a	JP	10-195128	Α	07-28-1998	JAPAN			ABS	
	JP	11-199592	A	07-27-1999	JAPAN			. ABS	
	JР	10-182679	А	07-07-1998	JAPAN			ABS	
	WO	98/03559	A1	01-29-1998	PCT			Х	
	EP	0 950 667	A2	10-20-1999	EUROPE			Х	
	WO	99/62968	Al	12-09-1999	PCT			Х	
	JP	2000-302810	А	10-31-2000	JAPAN			ABS	
<del></del>	JP	2000-86677	А	03-28-2000	JAPAN			ABS	
	JP	11-100394	A	04-13-1999	JAPAN			ABS	
	JP	11-181016	А	07-06-1999	JAPAN			ABS	
	JP	11-199593	A	07-27-1999	JAPAN			ABS	
	GB	1 341 275	A	12-19-1973	GREAT BRITAIN			Х	
	JP	10-324710	А	12-08-1998	JAPAN			ABS	
	JP	11-80231	А	03-26-1999	JAPAN			ABS	
	JP	10-298216	A	11-10-1998	JAPAN			ABS	

OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

APR 1 2 7004

Form PTO-1449

ATTY. DOCKET NO. 1155-0243P APPLICATION NO. 10/078,670

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

APPLICANT Yasushi NAKAYAMA et al.

FILING DATE

February 21, 2002

1713

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
					Ĺ		
	US						
	US						
	US						
	US						
	US						
	US						
	US						
	US						
	US						
	US						

### FOREIGN PATENT DOCUMENTS

Offic	DOCUMENT	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANS	LATION
Offic	NUMBER		52			CERSS	YES	NO
JP	10-324709	А	12-08-1998	JAPAN			ABS	
JP	62-275106	A	11-30-1987	JAPAN			ABS	
JP	8-34811	А	02-06-1996	JAPAN			ABS	
JP	10-7713	А	01-13-1998	JAPAN			ABS	
EP	8-245715	A	09-24-1996	JAPAN			ABS	
JP	6-340711	A	12-13-1994	JAPAN			ABS	
JP	11-292911	A	10-26-1999	JAPAN			ABS	
EP	1 243 598	A1	09-25-2002	EUROPE			Х	
JP	2001-192405	A	07-17-2001	JAPAN			ABS	
EP	1 136 122	A1	09-26-2001	EUROPE			Х	
JP	2002-53611	A	02-19-2002	JAPAN			ABS	
WO	02/06358	A1	01-24-2002	PCT			Х	
JP	2001-316413	A	11-13-2001	JAPAN			ABS	
JP	2001-213913	A	08-07-2001	JAPAN			ABS	
EP	1 170 308	A2	01-09-2002	EUROPE			Х	
WO	01/74831	A1	10-11-2001	PCT			Х	

OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449

## INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

ATTY. DOCKET NO. 1155-0243P APPLICATION NO. 10/078,670

APPLICANT

Yasushi NAKAYAMA et al.

FILING DATE

February 21, 2002

1713

U	.s.	PATENT	D	OCUMENTS	
nd		DATE		NAME	

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
						L	
	US						
	US						
	US						
-	US						
	US					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	US						
	US						
	US						
	US						
	US				<u> </u>		

### FOREIGN PATENT DOCUMENTS

Office	DOCUMENT	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSI	ATION
011100	NUMBER					Canad	YES	NC
WO	01/83571	A2	11-08-2001	PCT			X	
JP	2001-187345	А	07-10-2001	JAPAN			ABS	
JP	2001-200010	А	07-24-2001	JAPAN			ABS	
JP	11-29610	А	02-02-1999	JAPAN			ABS	
WO	02/36642	A2	05-10-2002	PCT			Х	
WO	01/30861	A1	05-03-01	PCT			Х	
-								
		-						
<del></del>								
		-		<del></del>				
					_			

OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, datalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with H.P.E.P. 609, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.